

Subject: MSD Colloquium, Borland, 7/13, 11am, 212, A-157
From: Janice Coble <coble@msd.anl.gov>
Date: Fri, 30 Jun 2006 09:56:19 -0500
To: msd@anl.gov

SPEAKER: MICHAEL BORLAND
Advanced Photon Source
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TITLE: Upgrade Possibilities for the APS Storage Ring

DATE: Thursday, July 13, 2006

TIME: 11:00 a.m.

PLACE: Building 212, Room A157

HOST: Paul Fuoss

Refreshments will be served at 10:45 a.m.

Abstract: For several years, accelerator physicists at APS have investigated possibilities for upgrading the performance of the APS storage ring, with the goal of providing a dramatically better x-ray source for users. This presentation will review that work and indicate likely future directions. We begin by stating the ground rules for such an upgrade and describing some new capabilities that an upgrade should attempt to provide. The advantages, disadvantages, and challenges of several upgrade options will then will be described, leading to some conclusions about the type of upgrade that should best serve x-ray experiments.